

Abstract

A predictive choice process of a manufacturing process of an optical component intended to be subjected to laser fluxes, the choice being intended to select from among several possible manufacturing processes that which results in components having better laser flux behaviour than those obtained by the other possible processes characterised in that

10 a) a number N of cathodoluminescence measurements are made on components obtained by a first of the possible manufacturing processes, while the component receives an electronic beam having a determined energy, a focus on the surface of the determined component and a
15 determined intensity controlled by a value of a ground current measured on the component, while it is being subjected to said electronic beam,

 b) an average cathodoluminescence value on the N measurements is calculated,

20 c) operations a) and b) on components obtained by each of the other possible manufacturing processes are repeated,

 d) the most advantageous manufacturing process is decided as the one for which the average
25 cathodoluminescence value is the lowest.

No figure.